



PubMed	Nucleotide	Protein	Genome	Structure	PMC	Taxonomy	OMIM
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Limits		Preview/Index		History		Clipboard	
Display	default	Show	20	Send to	File	Get Subsequence	

☐ 1: P20905. 5-hydroxytryptami...[gi:112805]

BLink, Domains, Links

LOCUS P20905 564 aa linear INV 15-SEP-2003
 DEFINITION 5-hydroxytryptamine receptor 1 (5-HT receptor) (Serotonin receptor).
 ACCESSION P20905
 VERSION P20905 GI:112805
 DBSOURCE swissprot: locus 5HT1_DROME, accession P20905;
 class: standard.
 extra accessions:Q9VA21,created: Feb 1, 1991.
 sequence updated: Feb 1, 1991.
 annotation updated: Sep 15, 2003.
 xrefs: gi: 156724, gi: 156725, gi: 23172738, gi: 7302000
 xrefs (non-sequence databases): FlyBaseFBgn0004573,
 InterProIPR000276, InterProIPR007455, PfamPF00001, PfamPF04360,
 PRINTSPR00237, PROSITEPS00237, PROSITEPS50262
 KEYWORDS G-protein coupled receptor; Transmembrane; Glycoprotein; Repeat.
 SOURCE Drosophila melanogaster (fruit fly)
 ORGANISM Drosophila melanogaster
 Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
 Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
 Ephydroidea; Drosophilidae; Drosophila.
 REFERENCE 1 (residues 1 to 564)
 AUTHORS Witz,P., Amlaiky,N., Plassat,J.L., Maroteaux,L., Borrelli,E. and Hen,R.
 TITLE Cloning and characterization of a Drosophila serotonin receptor that activates adenylate cyclase
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. 87 (22), 8940-8944 (1990)
 MEDLINE 91062395
 PUBMED 2174167
 REMARK SEQUENCE FROM N.A.
 STRAIN=Oregon-R; TISSUE=Head
 REFERENCE 2 (residues 1 to 564)
 AUTHORS Adams,M.D., Celniker,S.E., Holt,R.A., Evans,C.A., Gocayne,J.D., Amanatides,P.G., Scherer,S.E., Li,P.W., Hoskins,R.A., Galle,R.F., George,R.A., Lewis,S.E., Richards,S., Ashburner,M., Henderson,S.N., Sutton,G.G., Wortman,J.R., Yandell,M.D., Zhang,Q., Chen,L.X., Brandon,R.C., Rogers,Y.-H.C., Blazej,R.G., Champe,M., Pfeiffer,B.D., Wan,K.H., Doyle,C., Baxter,E.G., Helt,G., Nelson,C.R., Miklos,G.L.G., Abril,J.F., Agbayani,A., An,H.-J., Andrews-Pfannkoch,C., Baldwin,D., Ballew,R.M., Basu,A., Baxendale,J., Bayraktaroglu,L., Beasley,E.M., Beeson,K.Y., Benos,P.V., Berman,B.P., Bhandari,D., Bolshakov,S., Borkova,D., Botchan,M.R., Bouck,J., Brokstein,P., Brottier,P., Burtis,K.C., Busam,D.A., Butler,H., Cadieu,E., Center,A., Chandra,I., Cherry,J.M., Cawley,S., Dahlke,C., Davenport,L.B., Davies,P., de Pablos,B., Delcher,A., Deng,Z., Mays,A.D., Dew,I., Dietz,S.M., Dodson,K., Doup,L.E., Downes,M., Dugan-Rocha,S., Dunkov,B.C., Dunn,P., Durbin,K.J., Evangelista,C.C., Ferraz,C., Ferriera,S., Fleischmann,W., Fosler,C., Gabrielian,A.E., Garg,N.S., Gelbart,W.M., Glasser,K., Glodek,A., Gong,F., Gorrell,J.H., Gu,Z., Guan,P., Harris,M., Harris,N.L., Harvey,D., Heiman,T.J.,

Hernandez, J.R., Houck, J., Hostin, D., Houston, K.A., Howland, T.J., Wei, M.-H., Ibegwam, C., Jalali, M., Kalush, F., Karpen, G.H., Ke, Z., Kennison, J.A., Ketchum, K.A., Kimmel, B.E., Kodira, C.D., Kraft, C., Kravitz, S., Kulp, D., Lai, Z., Lasko, P., Lei, Y., Levitsky, A.A., Li, J., Li, Z., Liang, Y., Lin, X., Liu, X., Mattei, B., McIntosh, T.C., McLeod, M.P., McPherson, D., Merkulov, G., Milshina, N.V., Mobarri, C., Morris, J., Moshrefi, A., Mount, S.M., Moy, M., Murphy, B., Murphy, L., Muzny, D.M., Nelson, D.L., Nelson, D.R., Nelson, K.A., Nixon, K., Nusskern, D.R., Pacleb, J.M., Palazzolo, M., Pittman, G.S., Pan, S., Pollard, J., Puri, V., Reese, M.G., Reinert, K., Remington, K., Saunders, R.D.C., Scheeler, F., Shen, H., Shue, B.C., Siden-Kiamos, I., Simpson, M., Skupski, M.P., Smith, T., Spier, E., Spradling, A.C., Stapleton, M., Strong, R., Sun, E., Svirskas, R., Tector, C., Turner, R., Venter, E., Wang, A.H., Wang, X., Wang, Z.-Y., Wassarman, D.A., Weinstock, G.M., Weissenbach, J., Williams, S.M., Woodage, T., Worley, K.C., Wu, D., Yang, S., Yao, Q.A., Ye, J., Yeh, R.-F., Zaveri, J.S., Zhan, M., Zhang, G., Zhao, Q., Zheng, L., Zheng, X.H., Zhong, F.N., Zhong, W., Zhou, X., Zhu, S., Zhu, X., Smith, H.O., Gibbs, R.A., Myers, E.W., Rubin, G.M. and Venter, J.C.

TITLE The genome sequence of *Drosophila melanogaster*

JOURNAL Science 287 (5461), 2185-2195 (2000)

MEDLINE 20196006

PUBMED 10731132

REMARK SEQUENCE FROM N.A.

STRAIN=Berkeley

COMMENT

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[FUNCTION] THIS IS ONE OF THE SEVERAL DIFFERENT RECEPTORS FOR 5-HYDROXYTRYPTAMINE (SEROTONIN), A BIOGENIC HORMONE THAT FUNCTIONS AS A NEUROTRANSMITTER, A HORMONE, AND A MITOGEN. THE ACTIVITY OF THIS RECEPTOR IS MEDIATED BY G PROTEINS WHICH ACTIVATE ADENYLATE CYCLASE.

[SUBCELLULAR LOCATION] Integral membrane protein.

[TISSUE SPECIFICITY] Head.

[SIMILARITY] Belongs to family 1 of G-protein coupled receptors.

FEATURES

source

Location/Qualifiers

1..564

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gene

1..564

/gene="5-HT7"

/note="synonyms: 5HT-R1, CG12073"

Protein

1..564

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/product="5-hydroxytryptamine receptor 1"

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